



March 20, 2012

INFILTRATOR SYSTEMS INC.
GOVERNMENT AFFAIRS DEPARTMENT
6 BUSINESS PARK RD
PO BOX 768
OLD SAYBROOK CT 06475

Re: Description: LEACHING CHAMBER
Manufacturer: INFILTRATOR SYSTEMS INC.
Product Name: BIO DIFFUSER ARC 36 LP
Model Number(s): ARC 36 LP; 3624 LPEC and SPC (LEACHING CHAMBER IN 5-FT. LENGTHS; END CAP AND SIDE-PORT COUPLER)

[FOR PRESSURIZE-DOSED AND GRAVITY FEED DISPERSAL; CHAMBER LAYING LENGTH 5 FT.; DIMENSIONS = 33.8 IN. W X 8.0 IN. H; LAYING OPEN BOTTOM AREA 2.45 SF/LF; AVG. OPEN SIDEWALL AREA 0.52 SF/LF; EISA WITH/WITHOUT GEOTEXTILE 2004 FABRIC 25.0 SF/CHAMBER UNIT; OPEN BOTTOM AREA 12.25 SF; 0.5 FT. MIN. AND 8 FT. MAX. DEPTH OF BURY]
INCLUDED: END CAP (3624 LPEC), AND 14-IN. SIDE PORT COUPLER (SPC)

Product File No: 20120117

The specifications and/or plans for this plumbing product have been reviewed and determined to be in compliance with chapters SPS 382 through 384, Wisconsin Administrative Code, and Chapters 145 and 160, Wisconsin Statutes.

The Department hereby issues an approval based on the Wisconsin Statutes and the Wisconsin Administrative Code. **This approval is valid until the end of FEBRUARY 2016.**

This approval is contingent upon compliance with the following stipulation(s):

- This plumbing product may only be installed in conventional soil absorption systems, in-ground pressure distribution systems and mound systems covered by ss. SPS 383.13, 83.14 and 83.23, Wis. Admin. Code.
- This product must be installed in accordance with the manufacturer's printed instructions, the plan approval, and ch. SPS 383, Wis. Admin. Code, system sizing criteria. If there is a conflict between the manufacturer's instructions and the plan approval, the plan approval, product approval and code requirements will take precedence.
- When this product is installed in a dispersal cell that is sized based on the EISA rating stated in the regarding block of the product approval letter, this product must receive wastewater having a BOD5 value between 30 and 220 mg/L and a TSS value between 30 and 150 mg/L.
- When this product is installed in a distribution cell that is sized based on the EISA rating stated in the regarding block of the product approval letter, the distribution cell design must allow at least six inches of ponding in the chambers without backflow of wastewater into the drainpipe that discharges into the chambers.
- When this product is installed in a distribution cell that is sized based on the EISA rating stated in the regarding block of the product approval letter, this product must be installed in a distribution system, which has the top of the distribution cell at or below original grade.

- When this product is installed next to each other in a distribution cell that is NOT sized based on the EISA rating stated in the regarding block of the product approval letter, the effluent distribution area is equal to the length times the width of the chambered area. The use of geotextile fabric in this type of installation is optional.
- When this product is installed with geotextile fabric on the sides of this product in a distribution cell that is sized based on the EISA rating stated in the regarding block of the product approval letter, the geotextile fabric must meet all of the following specifications:
 - . Geotextile shall be non-woven
 - . Weight shall be 0.35 oz/sq yd to 1.5 oz/sq yd
 - . Apparent opening size (AOS) shall be 20-30 U.S. Sieve (ASTM D-4751).
- LABELING: Each 5-ft. unit is permanently labeled with "ARC 36 LP" injection molded at one end of the chamber.
- This product must be installed in accordance with the manufacturer's printed instructions, the plan approval, and ch. SPS 383 Wis. Admin. Code, system sizing criteria. If there is a conflict between the manufacturer's instructions and the plan approval, the plan approval and code requirements will take precedence.
- OBSERVATION PIPING: As of 6/1/2010, an optional location of observation pipes is recognized. Observation ports may be located at opposite ends of the dispersal area, and 1/5 to 1/10 the length of the chamber row measured from the end of the row with a minimum of one observation pipe per chamber row. Where the top of the end cap is configured to accept an observation pipe, the location may be at the ends of the distribution cell mounted through the end cap.
- **Additional information is included as attachment(s) to this letter; see attachment A, B and C.**

The product was formerly listed and manufactured by **ADVANCED DRAINAGE SYSTEMS, INC.**

This approval supersedes the approval issued on 2/18/2011 product file number 20100423.

This approval letter shall be incorporated with your previously approved plans and/or specifications approved under product file number 20100423.

The department is in no way endorsing this product or any advertising, and is not responsible for any situation which may result from its use.

Sincerely,

Jean M. MacCubbin, CST
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